

APPLICATION FOR PERMIT
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office SEP 18 1987

Returned to applicant for correction

Corrected application filed

Map filed NOV 2 1987 under 51322

The applicant AMOR II CORPORATION

500 DERMODY WAY, of SPARKS,
Street and No. or P.O. Box No. City or Town

NEVADA 89431, hereby make application for permission to appropriate the public
State and Zip Code No.

waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) Incorporated in the State of Delaware on
April 20, 1987

1. The source of the proposed appropriation is Underground (Well No. 42-21)
Name of stream, lake, spring, underground or other source

2. The amount of water applied for is 4.5 second-feet
One second-foot equals 448.83 gals. per min.

(a) If stored in reservoir give number of acre-feet

3. The water to be used for Industrial (See No. 12)
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

4. If use is for:

(a) Irrigation, state number of acres to be irrigated

(b) Stockwater, state number and kinds of animals to be watered

(c) Other use (describe fully under "No. 12. Remarks") Industrial (See No. 12)

(d) Power:

(1) Horsepower developed

(2) Point of return of water to stream

5. The water is to be diverted from its source at the following point NE 1/4 NW 1/4, SECTION 21, T.29N., R.23E.,
Describe as being within a 40-acre subdivision of public

MDB&M, OR AT A POINT FROM WHICH THE N 1/4 CORNER OF SAID SECTION 21 BEARS N. 11° 47'
survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.

22" E., 1286.52 FEET

6. Place of use SE 1/4 NW 1/4, SECTION 21, T.29N., R.23E., MDB&M
Describe by legal subdivision. If on unsurveyed land, it should be so stated.

7. Use will begin about JANUARY 1 and end about DECEMBER 31, of each year.
Month and Day Month and Day

8. Description of proposed works: (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) Drilled well with pump and motor
State manner in which water is to be diverted, i.e. diversion structure, ditches and

flumes, drilled well with pump and motor, etc.

9. Estimated cost of works \$200,000.00

10. Estimated time required to construct works..... 30 days
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use..... 90 days

12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

This Application is made to provide production water and cooling water for a geothermal power plant in Washoe County. Water from this well will be comingled with other geothermal wells and fed through the plant and its cooling water system. The estimated withdrawal from this well is 2000 gpm. A portion of the fluids will be injected (returned to the geothermal reservoir) and that portion will be determined at a later date.

AMOR II CORPORATION

By..... s/ Daniel N. Schochet
DANIEL N. SCHOCHET, AGENT
500 DERMODY WAY
SPARKS, NEVADA 89431

Compared..... pm/se..... pm/se

Protested.....

APPROVAL

OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit is issued subject to existing rights. It is understood that the amount of geothermal fluid herein granted is only a temporary allowance and that the final right obtained under this permit will be dependent upon the amount actually placed to beneficial use. It is also understood that this right must allow for a reasonable decrease of fluid pressure and heat. The well shall be equipped and maintained to prevent any waste of the geothermal fluid. Accurate measurements must be kept of discharge of the production well and the amount of fluid injected into the injection well to determine the total amount of fluid diverted and consumed for a beneficial use.

The production and injection well are to be cemented from the producing levels to the surface to protect fresh water zones. This permit is issued subject to the condition that only geothermal fluids are to be diverted and used beneficially for heating purposes and fresh, cold water aquifers are not to be diverted. The used geothermal fluids are to be returned to the source via the injection well. The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies. A detailed log on the injection well and/or other analyses of the system used for returning the used geothermal (CONTINUED ON PAGE 2)

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to

exceed..... 4.5..... cubic feet per second.....

Work must be prosecuted with reasonable diligence and be completed on or before..... December 29, 1988

Proof of completion of work shall be filed on or before..... January 29, 1989

Application of water to beneficial use shall be made on or before..... December 29, 1991

Proof of the application of water to beneficial use shall be filed on or before..... January 29, 1992

Map in support of proof of beneficial use shall be filed on or before..... N/A

Completion of work filed..... OCT 18 1989..... IN TESTIMONY WHEREOF, I..... PETER G. MORROS

Proof of beneficial use filed..... State Engineer of Nevada, have hereunto set my hand and the seal of my

office, this..... 12th..... day of..... February.....

Cultural map filed.....

Certificate No..... Issued.....

Abrogated By 629244.506

A.D. 1989

Peter G. Morros
State Engineer

(PERMIT TERMS CONTINUED)

fluids to the source must be submitted together with the Proof of Completion.

An annual report for this well must be filed under this permit describing the amount of geothermal fluid diverted and consumed to a beneficial use for the calendar year. This report must detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 3258 acre-feet per year but the total consumptive use of the geothermal fluid is limited to only incidental fluid losses in the system and in no case shall it amount to more than 20% of the volume withdrawn annually. The State Engineer does not waive the right to make a determination of incidental fluid losses at any time and impose additional conditions thereto. This permit is further issued subject to the provisions of NRS 533.372(1) and with the understanding that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

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The following table shows the results of the experiment. The first column shows the number of trials, the second column shows the number of correct responses, and the third column shows the percentage of correct responses.

